## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



## U. S. DEPARTMENT OF AGRICULTURE.

## LIBRARY BULLETIN.

AUGUST, 1894.

## ACCESSIONS TO THE DEPARTMENT LIBRARY.

APRIL-JUNE. 1894.

Aikman, C. M. Manure and the principles of manuring. pp. 592. 12°. Edinb., etc. 1894.

Alabama—Geological survey. Report on the coal measures of Blount Mountain, with map and sections. By A. M. Gibson. pp. 80. 8°. Montgomery, 1893.

Allen, J. A. Visitors' guide to the collection of mammals in the American museum of natural history, New York City. pp. 89. 8°. N. Y. 1892.

Allgemeiner schwedischer saat-zucht-verein, Svalöf. Special-katalog der kollektiv-ausstellung. pp. 61. 8°. Malmö, 1890.

Allmänna svenska utsädesföreningen. Årsberättelse for 1888-89. 8°. Malmö, 1889-90.

Allmänna svenska utsädesföreningen. Katalog öfver kollektiv-utställning och arbetande afdelning vid sjuttonde Allmänna svenska landtbruksmötet i Göteborg 1891. pp. 60. 8°. Malmö, 1891.

American dictionary of printing and bookmaking; containing a history of these arts in Europe and America, with definitions of technical terms and biographical sketches. pp. 592. 4°. N.Y. 1894.

American florist co. Directory of florists, nurserymen and seedsmen of the United States and Canada. pp. 270. 12°. Chicago, 1894.

American library association. Catalog of "A. L. A." library; 5000 volumes for a popular library selected by the American library association, and shown at the World's Columbian exposition. pp. 592. 8°. Wash. 1893. (UNITED STATES—Education, Bureau of. [Publications], no. 200.)

American museum of natural history, New York City. Annual report, 2d-24th, 1871-92. 8°. N.Y. 1871-93.

Andersson, Nils J. Monographia Salieum hueusque cognitarum. pt. 1. pp. 180. 4°. Holmiæ, 1867.

Handl. Kongl. svenska vetenskaps akademien, bd. 6, no. 1, 1863.

Appletons' annual eyelopædia and register of important events of the year 1893. v. 33 (n. s. v. 18). 4°. N. Y. 1894.

Argentine Republic. Map showing the territory submitted to the arbitration of the President of the United States, [with] information regarding the Argentine Republic and special data referring to its commerce with the United States. pp. 8. 8°. Wash. 1893.

Arnold, Friedrich von. Russlands wald. pp. 526. 8°. Berlin, 1893.

Atlanta, Ga.—Park Commission. 11th annual report, 1893. pp. 17. 8°. [Atlanta, 1894.]

Audoynaud, A., and Chauzit, B. Du passage de l'eau et de l'air dans la terre arable. pp. [4]. 8°. Paris, [18—]. (Annales agronomiques, 19.)

Austin, Coe F. Characters of some new Hepaticæ (mostly North American), together with notes on a few imperfectly described species. pp. 17. 8°. [Phila. 1869.] From the Proceedings of the Academy of natural sciences of Philadelphia, Dec. 1869.

[Austin, Coe F.] Hepaticæ Boreali-Americanæ. pp. 27. 8°. [Closter, N. J. 1873.]

Australia, Western—Agriculture, Bureau of. Journal. v. 1, no. 1-3. 4°. Perth, 1894.

Badin, J. B. Traité d'agriculture pratique, principalement au point de vue de la restitution au sol par les engrais chimiques. pp. 116. 8°. Lyon, 1893.

Bailey, Liberty H. Annals of horticulture in North America for the year 1892. pp. 387. 8°. N. Y. 1893.

Barlow, Peter. Treatise on the strength of materials. Edited by Wm. Humber. New ed. rev. pp. 396. 8°. Lond. 1867.

Barnston, James. Catalogue of Canadian plants in the Holmes' herbarium . . . University of McGill college. pp. 20. 8°. Montreal, 1859.

Barriugton, Richard M. Notes on the prices of Irish agricultural produce. pp. 23. 8°. 11 diagr. Dublin, 1893.

Bartling, Friedrich T. Ordines naturales plantarum corumque characteres et affinitates adjecta generum enumeratione. pp. 498. 8°. Gottingæ, 1830.

Barus, Carl. Colors of cloudy condensation. pp. [34]. 8°. n. p. [1893].

Reprinted from the American meteorological journal, Mar. 1893.

Bay, J. Christian. Bibliography of the tannoids. pp. 27. 8° [St. Louis], 1893.

Reprinted in advance from the 5th annual report of the Missouri botanical garden.

Berlese, Antonio. Cenni sulle cavallette che in Italia danneggiano le campagne, e notizie sulla invasione verificastasi in provincia Firenze (Brozzi) nella estate del 1893. pp. 48. 8° Avellino, 1893.

Estratto dalla Rivista di patologia vegetale, anno 2, n. 10 a 12.

Bimetallic league, Eng. Report of the proceedings at the annual meeting, Manchester, Feb. 6, 1894. pp. 40. 8°. [Manchester, 1894.]

Blücher, H. A. Die analyse der weine. pp. 176. 12°. Kassel, 1894. (Sammlung chemisch-analytischer taschenbücher, 1.)

Boeve, Richard de, editor. Traité pratique de l'élevage de tous les pigeons en général. pp. 153. 8°. Paris, 1892.

Boizard, E., and Tardieu, H. Histoire de la législation des sucres, 1664-1891. pp. 393. 8°. Paris, 1891.

Bombay—Government observatory. Magnetical and meteorological observations made in the years 1891-92. v. p. 4°. Bombay, 1893.

Brass, Arnold. Atlas zur allgemeinen zoologie und vergleichenden anatomie. pp. 150. 4°. Leipz. 1893.

Braun, Alexander. Fragmente einer monographie der Characeen. Herausgegeben von Otto Nordstedt. pp. 211. 4°. Berl. 1882.

Aus den Abhandlungen der Königl. akademie der wissenschaften zu Berlin, 1882.

Brooks, John G. Compulsory insurance in Germany; including an appendix relating to compulsory insurance in other countries in Europe. pp. 370. 8°. Wash. 1893. (UNITED STATES—Labor, Bureau of. 4th special report of the commissioner.)

Buchenau, Franz. Monographie der Juncaceen vom Cap. pp. [120]. 8°. Bremen, 1875.

Aus den Abhandungen des Naturwissenschaftlichen vereins zu Bremen, bd. 4, heft 4.

Buchenau, Franz. Über die von Mandon in Bolivia gesammelten Juncaceen. pp. [15]. 8°. [Bremen, 1874.]

Aus den Abhandlungen des Naturwissenschaftlichen vereins zu Bremen, bd. 4, pp. 119-134.

Buffalo Merchants' Exchange. Annual report, including statistics of the trade and commerce of Buffalo, 1893. Compiled by Wm. Thurstone. pp. 144. 8°. Buffalo, 1894.

Bureau of American Republics. Argentine Republic. (Revised to Feb. 1, 1894.) pp. 455. 8°. Wash. 1892 [1894]. (Bulletin, 67.)

Bureau of American Republics. Monthly bulletin, Mar. 1894. 8°. Wash. 1894.

Contents:—1. Reciprocity treaties and trade.—2. Commercial outlook in Brazil.—3. Ramie culture in southern countries.—4. Cacao, bananas and India rubber in Colombia.—5. Development of British Guiana.—6. Commercial and industrial information.

Bureau of American Republics. Monthly bulletin, May, 1894. 8°. Wash. 1894.

Contents:—1. Mexico; treasury receipts; total sources of income for fiscal year 1894–95.—2. Mexican tariff modification; decrease Apr. 30, 1894.—3. Mexican national library; Mexican fruit industry.—4. Mexico; miscellaneous news.—5. Jamaica.—6. Commercial and industrial information.

Burpee, W. A. & co., publishers. Selection in seed growing; comprising papers read before the seedsmen's session of the World's auxiliary horticultural congress, Chicago, Aug. 16, 1893. pp. 98. 12°. Phila. 1894.

Butler, Edward A. Our household insects; an account of the insect-pests found in dwelling-houses. pp. 344. 12°. Lond. 1893.

Canada—Experimental farms. Reports for 1893. 8°. Ottawa, 1894.

Canadian institute. 7th annual report, session 1893-94. pp. 22. 8°. Toronto, 1894.

Being [archæological] part of appendix to the Report of the Minister of education, Ontario.

Cantoni, Gaetano. Il tabacco. pp. 173. 16°. Milano, 1882. (Manuali Hoepli.)

Carrière, Elie-Abel. Traité général des conifères; ou, Description de toutes les espèces et variétés aujourd'hui connues, avec leur synonymie, l'indication des procédés de culture et de multiplication qu'il convient de leur appliquer. pp. 656. 8°. Paris, 1855.

Chauzit, B. L'engraissement des bœufs de travail dans un domaine du midi. pp. 11. 8°. [Montpellier, 18—]

Extrait du Messager agricole.

Chauzit, B. Étude sur l'adaptation au sol des vignes américaines. pp. 75. 8°. Montpellier, 1889.

Extrait du livre Une mission viticole en Amérique, par Pierre Viala.

Chauzit, B. Etudes agricoles et viticoles. pp. 58. 12°. Nimes, 1889.

Contents:—Expériences combinées de variétés de blé et d'engrais chimiques.—Expériences de vinification.—Traitements contre le mildion.—Éudes sur les engrais chimiques appliqués à la vigne.

Chauzit, B. Expériences de vinification en 1888. pp. 7. 8° Montpellier, 1888.

Extrait du Progrès agricole et viticole.

Chauzit, B. Inconvénients pouvant résulter du vitriolage des semences et moyens d'y remédier. pp. 12. 8°. Montpellier, 1881.

Chauzit, B. Rapport annuel sur le fonctionnement du service agricole dans le département du Gard en 1891-92. pp. 39. 8°. Nîmes, 1892.

Chauzit, B. Rapports sur les concours de greffage et de viticulture organisés par la Société d'agriculture du Gard en 1883. pp. 46. 8°. Nimes, 1884.

Chauzit, B. Les vigues américaines en terrain gypseux. pp. [8]. 8°. [Paris, 1892.] Annales agronomiques, t. 18.

Chauzit, B., and Chapelle, J. B. Traité d'agriculture à l'usage du midi de la France. pp. 356. 12°. Paris, 1893.

Chawner, Robert. The voice of the cyclone on sea and land. pp. 35. 8°. Wash. [1893].

List of the most destructive tornadoes since 1872, pp. 31-35.

Chicago—Trade, Board of. 36th annual report of the trade and commerce of Chicago for the year ending Dec. 31, 1893. 8°. Chicago, 1894.

Clapp & co. Weekly market letters; information of leading American exchanges, 1893. pp. 328. 4°. N. Y. 1894.

Clydesdale horse society of the United Kingdom of Great Britain and Ireland. Clydesdale stud-book. v. 14-16. 8°. Glascow, 1892-94.

Cobb, N. A. Plant diseases and their remedies; diseases of the sugar-cane. pp. 56. 8° Sydney, 1893.

Codrington, Thomas. Maintenance of macadamised roads. pp. 172. 8°. Lond. 1879.

Crié, Louis. Anatomie et physiologie végétales. Ed. 3. pp. 224. 12°. Paris, [18—].

Crombie, James M. Monograph of lichens found in Britain; being a descriptive catalogue of the species in the herbarium of the British museum. pt. 1. 8°. Lond. 1894.

Curtis, N. M. Capital crimes and the punishments prescribed therefor by federal and state laws and those of foreign countries, with statistics relating to the same. Also a bibliography of crimes and punishments. pp. 23. 8°. Wash. 1894. (UNITED STATES—53d congress, 2d session—House. Report, no. 545.)

Dana, Samuel L. Muck manual for farmers. Ed. 4. pp. 312. 12°. N. Y. 1858.

Dawson, Thomas F. The climate of Yuma. pp. 19. 8°. [N. Y. 1894.]

Debray, F. Guide pour l'emploi des engrais. pp. 78. 8°. Alger, 1893.

Devon cattle breeders' society. Davy's Devon herdbook. v.1-17. 8°. Lond., etc. 1851-94.

v. 1 is a reprint, 1888.

v. 1-8, by John Tanner Davy under the title Devon herd-book.

Dictionnaire d'horticulture; illustré ... par D. Bois. Préface de Maxime Cornu. [A-Bamb.] 8°. Paris, 1893.

**Dokoutschaïeff**, W. W., and Sibertzeff, N. M. Scientific review of ... a collection of soils, exposed in Chicago, 1893. pp. 40. 8°. St. Petersb. 1893.

Drude, Oscar. Handbuch der pflanzengeographie. pp. 582. 8°. Stuttg. 1890. (Вівлютиєк geographischer handbücher.

Dumont, A. Recherches sur l'anatomie comparée des Malvacées, Bombacées, Tiliacées, Sterculiacées. pp. 118. 8°. Paris, 1888.

**Du Mortier**, Barthélemy C. Hepaticæ Europæ. pp. 203. 8°. Bruxellis et Lipsiæ, 1874.

**Dundee**, Scotland — Free Library. Report ... for the year 1893. pp. 28. 8°. Dundee, 1894.

Eaton, Amos. Manual of botany for the Northern and Middle states. Ed. 2, enl. pp. 524. 12°. Albany, 1818.

Fellerer, Carl. Beiträge zur anatomie und systematik der Begoniaceen. Inaugural-dissertation. pp. 239. 8°. München, 1892.

Fernow, Bernhard E. Practicability of an American forest administration. pp. 16. 8°. n. p. 1891.

Reprint from the Publications of the American economic association, 1891.

Fesca, M. Beiträge zur kenntniss der japanischen landwirthschaft. 2 specieller theil. pp. 929. 8°. Berl. 1893.

Fischer, Ferdinand. Hanbuch der chemischen technologie. pp. 1164. 8°. Leipz. 1893.

Fitz, James. Sweet potato culture. New & enl. ed. pp. 86. 12°. N. Y. 1894.

Ford, Worthington C. Wool and manufactures of wool. pp. 699. 8°. Wash. 1894. (UNITED STATES—Statistics, Bureau of. [Publications.])

Forskål, Pehr. Flora ægyptiaco-arabica. Edidit Carsten Niebuhr. pp. 219. 4°. Hanniæ, 1775.

France—Agriculture, Ministère de V. Bulletin. 12° année, no. 7, 8. 8°. Paris, 1893.

Contents:—Documents officiels.—Statistique.—Rapports comptes rendus de missions en France et à l'étranger.

France—Conseil général de la Dordogne. Statistique viticole dans le département de la Dordogne. Rapport de M. Gaillard. pp. 90. 8°. Périgueux, 1891.

Franceschini, Felice. Studi sulla fillossera della vite. pp. 23. 8°. Roma, 1893.

Estrattodagli Annali di agricoltura, n. 201.

Francis, James B. Lowell hydraulic experiments; being a selection from experiments on hydraulic motors, on the flow of water over weirs, in open canals of uniform rectangular section, and through submerged orifices and diverging tubes, made at Lowell, Mass. Ed. 4. pp. 286. 4°. N. Y. 1883.

Fream, W. Elements of agriculture; a text-book prepared under the authority of the Royal agricultural society of England. Ed. 5. pp. 486. 12°. Lond. 1893.

Freudenreich, Eduard von. Die bakteriologie in der milchwirthschaft. pp. 78. 12°. Basel, 1893.

Fries, Elias. Novitiæ floræ Suecicæ. Ed. altera, auctior et in formam commentarii in Wahlenbergii Floram Suecicam redacta. pp. 306. 12°. Londini Gothorum, 1828.

Continuatio, sistens mantissam 1-3 uno volumine comprehensas. Accedunt de stirpibus in Norvegica recentius detectis prænotationes e maxime parte communicatæ a M. N. Blytt. pp. 84, 204. 12°. Lundæ et Upsaliæ, 1832-42.

Fries, Elias. Summa vegetabilium Scandinaviæ. pp. 572. 8°. Holmiæ et Lipsiæ, [1846-49].

Fries, Elias. Symbolæ ad historiam Hieraciorum. pp. 220. 4°. Upsaliæ, 1848.

Ex. N. actis Reg. soc. scient. v. Ups. 13, 14.

Friesian herd-book association. Dutch and Friesian cattle. Ed. 2. pp. 16. 8°. Leuwarden, 1894.

Galloway cattle society. Galloway herd-book. v. 1-14 8°. Dumfries, 1878-94.

Ganot, Adolphe. Elementary treatise on physics, experimental and applied. Translated and edited by E. Atkinson. Ed. 14, rev. & enl. pp. 1115. 8°. N. Y. 1893.

Geddes, Patrick. Chapters in modern botany. pp. 201. 12°. Lond. 1893. (University extension manuals.)

Gestütbuch der holsteinischen Elbmarschen. Herausgegeben vom Verband der pferdezuchtvereine in den holsteinischen Elbmarschen. v. 1-3. 8°. Kiel u. Berl. 1886-93.

Gilder, Richard W. Civic patriotism; an address at the dinner of the New York board of trade and transportation, Feb. 3, 1894. pp. 14. 16°. N. Y. 1894. Privately printed.

Glascow, Scotland—Mitchell library. 11th annual report...1889-91. pp. 67. 8°. Glascow, 1892.

Glatfelter, N. M. Study of the venation of the species of Salix described in Gray's Manual, with reference to their determination. pp. 15. 8°. [St. Louis], 1893.

Reprinted in advance from the 5th annual report of the Missouri botanical garden.

Goessmann, C. A. On special fertilization of garden crops. pp. 12. . 8°. [Boston, 1894.]

Reprint from the 11th annual report of the Massachusetts agricultural experiment station, 1893-94.

Gordon, George. The pinetum; being a synopsis of all the coniferous plants at present known, with descriptions, history and synonymes. pp. 353. 8°. Lond. 1858.

——— Supplement to Gordon's Pinetum. pp. 119. 8°. Lond. 1862.

Gould, George M. Illustrated dictionary of medicine, biology, and allied sciences. pp. 1633. 4°. Phila. 1894.

Grandeau, L. La fumure des champs et des jardins; instruction pratique sur l'emploi des engrais commerciaux, nitrates, phosphates, sels potassiques. Ed. 5. pp. 155. 16°. Paris, 1894.

Great Britain—Agriculture, Board of. Agricultural returns of Great Britain with abstract returns for the United Kingdom, British possessions and foreign countries, 1893. pp. 184. 8°. Lond. 1893.

Great Britain—Agriculture, Board of. Report on insects and fungi injurious to crops, 1892. pp. 60. 8°. Lond. 1893.

Great Britain—Agriculture, Board of. Report on rust or mildew on wheat plants, 1892. pp. 44. 8°. Lond. 1893.

Great Britain—Agriculture, Department of. An act for establishing a Board of agriculture for Great Britain. pp. 12. 4°. [Lond.] 1889. (Board of agriculture act, 1889. [52 & 53 Vict. ch. 30.])

Great Britain—*Embassadors*. Further reports on the agricultural departments of foreign countries; supplementary to those presented to Parliament in Commercial, no. 9, 1884 [C-3926]. pp. 130. 8°. Lond. 1889. (Commercial, no. 24.)

Great Britain—India office. Statistical abstract relating to British India from 1880-92. no. 25-27. 8°. Lond. 1891-93.

Grisard, Jules, and Vanden-Berghe, Maximilien. Catalogue raisonné des principales essences forestières de la Nouvelle-Zélande. pp. 27. 87. [Versailles, 189?]

Grisard, Jules, and Vanden-Berghe, Maximilien. Le genêt comme plante textile et papyrifère (genêt d'Espagne et genêt à balais). pp. 15. 8°. Paris, 1892.

Extrait de la Revue des sciences naturelles appliquées, no. 3, février, 1893.

Grisard, Jules, and Vilbouchevitch, Jean. Une plante utile des déserts salants; le saxaol du Turkestan. pp. 14. 8°. Paris, [1892].

Extrait de la Revue des sciences naturelles appliquées, no. 20, 1892.

Grisebach, August H. R. Genera et species Gentianearum. pp. 364. 8°. Stuttgartiæ et Tubingæ, 1839.

Gurney, C. W. Northwestern pomology; a treatise on the growing and care of trees, fruits and flowers in the northwestern states. pp. 293. 12°. Concord, Neb. 1894.

Hackney stud-book society. Hackney stud-book. v. 8. 8°. Lond. 1891.

Haller, Albert von. Bibliotheca botanica. 2 v. 4°. Tiguri, 1771-72.

Hampshire down sheep breeders' association. Hampshire down flock-book. v. 5. 8°. Salisb. 1894.

Harlan, C. Farming with green manures, on Plumgrove farm. Ed. 5, rev. & enl. pp. 269. 12°. Phila. 1894.

Hartig, Robert. Lehrbuch der anatomie und physiologie der pflanzen unter besonderer berücksichtigung der forstgewächse. pp. 308. 8°. Berl. 1891.

Harz, C. D. Landwirthschaftliche samenkunde. v. l. 8°. Berl. 1885.

**Heiden**, Heinrich. Anatomische charakteristik der Combretaceen. Inaugural-dissertation. pp. 61. 8°. [Cassel, 1893.

Botanisches centralblatt, jahrg. 14, nr. 38-47. 1893. Separatabdruck.

Henderson, Peter. Gardening for profit. New & eul. ed. pp. 376. 12°. N. Y. 1894.

Henneguy, Félix. Les lichens utiles. Thèse. pp. 114. 8°. Paris, 1883.

Hereford herd-book society. Herd-book of Hereford cattle. v. 22, 24. 12°. Hereford, 1891, 93.

Herrick, C. L. Mammals of Minnesota; a scientific and popular account of their features and habits. pp. 299. 8°. Minneapolis, 1892. (MINNESOTA—Geological and natural history survey. Bulletin, 7.)

Heuzé, Gustave. Les plantes industrielles. Ed. 3. 3 v. 12°. Paris, 1893-94. (Cours d'agriculture pratique.)

Contents:—1. Plantes textiles ou filamenteuses de sparterie, de vannerie et à carder.—2. Plantes oléagineuses, tinctoriales, saponaires, tannifères et salifères.—3. Plantes aromatiques à parfums, à épices et condimentaires.

Hitchcock, Albert S. Plants of the Bahamas, Jamaica and Grand Cayman. pp. [133]. 8°. [St. Louis], 1893. From the 4th annual report of the Missouri botonical garden.

Hoblyn, Richard D. Dictionary of terms used in medicine and the collateral sciences. Edited and revised by J. A. P. Price. Ed. 12. pp. 822. Lond. 1892.

Holle, Gustav. Beiträge zur anatomie der Saxifragaceen und deren systematische verwendung. pp. 56. 8°. Cassel, 1893.

Botanisches centralbatt, nr. 1-8. 1893. Separat-abdruck.

Horn, F. M. Anleitung zur chemisch-technischen analyse organischer stoffe. pp. 244. 8°. Wien, 1890.

Horne, Herbert P. Binding of books; an essay in the history of gold-tooled bindings. pp. 224. 8°. Lond. 1894.

Houzeau, Auguste. De l'emploi du sel en agriculture. pp. 14. 12°. Rouen, 1862.

Houzeau, Auguste. Dosage volumétrique de l'acide carbonique. pp. 15. 8°. [Paris, 1875.]

Extrait des Annales de chimie et de physique, 5° sér. t. 6.

Houzeau, Auguste. Étude sur l'acide chlorhydrique arsenifère du commerce. pp. 21. 12°. [Paris, 1865.] Extrait des Annales du Conservatoire impérial des arts et métiers, oct. 1865.

Houzeau, Auguste. Le marc de pommes, sa composition, son emploi, sa conservation. pp. 36. 8°. Paris, 1887. Extrait du tome 131 des Mémoires de la Société nationale d'agriculture de France.

Houzeau, Auguste. Rapport sur les champs de démonstration avoine de printemps 1886. pp. 31. 8°. Rouen, [188-].

Houzeau, Auguste. Rapport sur les champs de démonstration [de la Seine-Inférieure] blé et avoine. 3°-6° année. 8°. Rouen, 1888-92.

Houzeau, Auguste. Rapport sur les champs de démonstration blé d'hiver 1886-87. pp. 25. 8°. Rouen, [1887].

Houzeau, Auguste. Sur la composition de quelques fumiers, et sur un moyen simple d'apprécier, dans la pratique agricole la composition des fumiers, ainsi que leur valeur relative en argent. pp. 23. 8°. Rouen, 1889.

Houzeau, Auguste. Sur la réforme de l'ammonimétrie. pp. 11. 8°. [Paris, 1877.]

Extrait des Annales de chimie et de physique, 5° sér. t. 12.

Houzeau, Auguste. Sur l'eau oxygénée considérée comme n'étant pas la cause des altérations que l'air atmosphérique fait subir aux papiers de tournesol mi-ioduré employés comme réactifs de l'ozone. pp. 7. 12°. [Paris, 1868.]

Extrait des Annales de chimie et de physique, 4° sér. t. 14.

Houzeau, Auguste. Sur les composés nitreux, considérés comme n'étant pas la causc des altérations que l'air atmosphérique fait subir aux papiers de tournesol vineux mi-ioduré employés comme réactifs de l'ozone. pp. 19. 12°. [Paris, 1865.]

Extrait des Annales de chimie et de physique, 4 ° sér. t. 7.

Houzeau, Auguste. Variabilité normale des propriétés de l'air atmosphérique; ou, Comparaison entre les effets chimiques de l'air de Rouen, de Paris et de la campagne. pp. 10. 8°. Rouen, 1862.

Hurter, Julius. Catalogue of reptiles and batrachians found in the vicinity of St. Louis, Mo. pp. [11]. 8°. [St. Louis], 1893.

Transactions of the Academy of science of St. Louis, v. 6, pp. 251—261.

Huth, Ernst. Die Delphinium-arten der Vereinigten Staaten von Nord-Amerika. pp. 15. 8°. Berlin, 1892. Abhandlungen und vorträge aus dem Gesammtgebiete der naturwissenschaften, bd. 4.

India—Foreign department. Progress report of forest administration in Baluchistan for 1892-93. By C. F. Elliott. pp. 32. fo. Calcutta, 1894.

International irrigation congress—Publication committee. Irrigation in southern California. pp. 48. 12°. Los Angeles, 1893.

Italy—Agricoltura, industria e commercio, Ministero di. Risultati delle coltivazioni sperimentali del frumento, 1889-92. pp. 321. 8°. Roma, 1894.

James, Frank L. Elementary microscopical technology; a manual for students of microscopy. pt. 1. 8°. St. Louis, 1887.

Japan—Agricultural and commercial department. [Report on the experimental field.] Jap. no. 3, 4. 8°. Tokio, 1893-94.

Japan—Agricultural and commercial department. [Special information concerning the fisheries in Japan.] Jap. 4°. Tokio, 1894.

Japan—Agricultural and commercial department. [Statistical report.] Jap. 4°. Tokio, 1894.

Japan—Cabinet impérial—Statistique générale. Résumé statistique de l'empire du Japon. Jap. & Fr. 8º année. pp. 142. 4º. Tokio, 1894.

Johnson's universal cyclopædia. New ed. v. 1-4. 4°. N. Y. 1893-94.

Juraschek, Fr. von, editor. Otto Hübner's geographisch-statistische tabellen aller länder der erde. 42. ausgabe für das jahr 1893. pp. 91. ob. 24°. Frankfurt a. M. [1894].

Kansas—Agriculture, Board of. Report for the quarter ending Mar. 31, 1894. 8°. Topeka, 1894.

Kansas—Horticultural society. 3d bicnnial report for the years 1891-93. v. 19. 8°. Topeka, 1894.

**Kerner von Marilaun**, Anton. Pflanzenleben. 2 v. 4°. Leipz. etc. 1888.

**Kew**, Eng.—Royal gardens. Official guide to the museums of economic botany. no. 3. Timbers. Ed. 2, rev. & enl. pp. 98. 12°. Lond. 1893.

Keyserling, Eugen. Die spinnen Amerikas. Epeiridæ; herausgegeben von Georg Marx. bd. 4, 2. hälfte. pp. [169]. 4°. Nürnb. 1893.

Kinney, Clesson S. Treatise on the law of irrigation. pp. 792. 8°. Wash. 1894.

Kirchner, Oskar. Die krankheiten und beschädigungen unserer landwirtschaftlichen kulturpflanzen. pp. 637. 8°. Stuttg. 1890.

König, J. Wie kann der landwirt den stickstoffvorrat in seiner wirtschaft erhalten und vermehren? Ed. 3. pp. 53. 8°. Berl. 1893.

Körnicke, Friedrich, and Werner. Hugo. Handbuch des getreidebaues. 2 v. 8°. Berl. 1885.

Kraft, Gustav. Beiträge zur lehre von den durchforstungen, schlagstellungen und lichtungshieben. pp. 147. 8° Hannover, 1884.

Kuntze, Otto. Monographie der gattung Clematis. pp. [120]. 8°. Berl. 1885.

Separatabzug aus den Verhandlungen des Botanischen vereins der provinz Brandenburg, v. 26, pp. 83-202.

Lange, Johann. Nomenclator Floræ Danicæ; sive, Index systematicus et alphabeticus operis, quod Icones floræ Danicæ inscribitur, cum enumeratione tabularum ordinem temporum habente, adiectis notis criticis. pp. 354. 4°. Hauniæ, 1887.

Langer, Ludwig. Wie soll der österreichische landwirth den flachs auf dem felde, bei der röste und bei der bearbeitung behandeln? pp. 14. 8°. Wien, 1894.

Separatabdruck aus dessen schrift: Flachsbau und flachsbereitung.

Langhammer, P. Franz Luft fibre machine. Inducements to cultivate textile plants in the southern section of the United States. pp. 18. 8°. New Orleans, 1885.

[Langley, Samuel P.] Smithsonian meteorological tables; based on Guyot's Meteorological and physical tables. pp. 262. 8°. Wash. 1893. (SMITHSONIAN INSTITUTION. Miscellaneous collections, 844.)

Lea, Thomas G. Catalogue of plants, native and naturalized, collected in the vicinity of Cincinnati, Ohio, during the years 1834-44. pp. 77. 8°. Phila. 1849.

Lindemann, Eduard. Index plantarum quas in variis Rossiæ provinciis hucusque in variis Rossicæ provinciis hucusque invenit et observavit. pp. [114]. 8° [Moskou, 1860.]

Moskou, Soc. nat. Bull. v, 33. pt. 2. pp, 77-190. 1860.

Linnæus, Carl von. Bibliotheca botanica; recensens libros plus mille de plantis hucusque editos . . . cum explicatione Fundamentorum botanicorum pars 1. pp. 153. 16°. Amstelodami, 1736.

Linnæus, Carl von. Fundamenta botanica, quæ majorum operum prodromi instar theoriam scientiæ botanices per breves aphorismos tradunt. pp. 35. 16°. Amstelodami, 1736.

Linnæus, Carl von. Genera plantarum. Ed. 8 post Reichardianam secunda prioribus longe auctior . . . curante J. C. D. Schreber. 2 v. in 1. 12°. Francofurti ad Mænum, 1789-91.

Lotsy, John P. Herbarium and library of John Donnell Smith. (*In John Hopkins university*. Circulars, v. 13, pp. 22-25. 1894.)

Louvain, Belgium—Université catholique. Annuaire, 1894. 58° année. 16°. Louvain, 1894.

Lubbock, Sir John. Contribution to our knowledge of seedlings. 2 v. 8°. Lond. 1892.

Lydekker, Richard, editor. Royal natural history. v. 1. 4°. Lond. 1893-94.

Manitoba central farmers' institute. 2d annual report, 1893. 8° Brandon, 1893. (Bulletin, 41.)

Martiny, Benno. Kirne und girbe; ein beitrag zur kulturgeschichte besonders zur geschichte der milchwirtschaft. 1ste lief. 4°. Berl. 1894.

Maryland—Agricultural college. Report for the year ending June 30, 1893. 8°. Baltimore, 1894.

Massachusetts—Agricultural experiment station. 11th annual report, 1893. 8°. Boston, 1894.

Massachusetts—Agriculture, State board of. Directory of the agricultural and similar organizations in the state. pp. 17. 8°. n. p. 1894.

Massachusetts institute of technology. Annual report of the president and treasurer, Dec. 13, 1893. 8°. Camb. 1893.

Melbourne, Frank. Rain production during the season of 1891. pp. 23. 8°. [Choyenne, 1892.]

Merriman, Mansfield. Text-book on the mechanics of materials, and of beams, columns, and shafts. Ed. 4. pp. 178. 8°. N. Y. 1893.

Meunier, Stanilas. Métalloïdes. Météorites. pp. 532. 8°. Paris, 1884. (ENCYCLOPÉDIE chimique, v. 2.)

Meurthe-et-Moselle, France—Agriculture, Chaire départementale d'. Rapports sur les champs d'essais départementaux et sur les expériences faites à l'École pratique d'agriculture Mathieu de Dombasle en 1890. Publiés sous la direction de A. Bourgeois. pp. 134. 8°. Nancy, 1891.

**Mexico**—Ministerio de fomento—Direccion general de estadística. Boletin semestral, 1891-92. no. 7-10. 4°. México, 1892-93.

Michigan—Labor and industrial statistics, Bureau of. 11th annual report, [1893]. 8°. Lansing, 1894.

Michigan—Secretary of state. 15th annual report, relating to farms and farm products, 1892-93. 8°. Lansing, 1894.

Minneapolis, Minn.—Public library. 4th annual report 1893. 8°. Minneapolis, 1894.

Minnesota—Geological and natural history survey. Bulletin. no. 9, pt. 1-2 8°. Minneapolis, 1894. (MINNESOTA botanical studies.)

Minnesota good road improvement association. Condensed report of the proceedings of the 1st annual meeting held at St. Paul, Minn., Jan. 25-26, 1894. pp. 16. 8°. Wash. 1894. (UNITED STATES—Agriculture, Department of—Road inquiry, Office of. Bulletin, 2.)

Missouri botanical garden. 5th annual report, [1893]. 8°. St. Louis, 1894.

Moeller, Joseph. Anatomie der baumrinden. pp. 447. 8°. Berl. 1882.

Mouillefert, P. Report on the vineyards of Cyprus. pp. 23. 8°. Nicosia, 1893.

Müntz, A. Analyse chimique. Méthodes analytiques appliquées aux substances agricoles. pp. 594. 8°. Paris, 1888. (ENCYCLOPÉDIE chimique, t. 4.)

National board of trade. Proceedings of the 24th annual meeting held in Washington, Jan. 1894. 8°. Boston, 1894.

Nebraska—Representatives, House of. Journal of the 23d regular session, begun and held at Lincoln, Jan. 3, 1893. 8°. York, Neb. 1893.

Nebraska—Senate. Journal of the 23d regular session, begun and held at Lincoln, Jan. 3, 1893. 8°. York, Neb. 1893.

Nebraska—State horticultural society. Annual report for the year 1894. 8°. Lincoln, 1894.

**Nevada**—Supreme court. Reports of cases argued and determined during 1890-93. v. 21. 8°. Carson City, 1893.

**New Jersey**—State librarian. Annual report for the year 1893. 8°. Trenton, 1893.

New South Wales—Agriculture, Department of. Annual report, 1892. fo. Sydney, 1893.

New South Wales—Agriculture and forests, Department of. 1st report, 1893. fo. [Sydney, 1894.]

New South Wales—Government. Water conservation act of 1891. pp. 32. fo. [Sydney, 1891.]

New South Wales—Legislative council. Report, minutes of proceedings, resolutions . . . of the meeting of chief inspectors of stock, held in Sydney, June, 1891. fo. Sydney, 1891.

New South Wales—Legislative council. Report on the administration of the Diseased animals and meat act, for the year ending Mar. 31, 1893. fo. [Sydney, 1894.]

New York (city)—Mercantile library association. 73d annual report. 8°. N. Y. 1893.

New Zealand—Agriculture, Department of. 1st report, 1893. 8°. Wellington, 1893.

North Dakota—Agriculture and labor, Commissioner of. Special report to the Governor of North Dakota, for the year 1893. 8°. Grand Forks, N. D. 1894.

North Dakota—Irrigation and forestry, Department of. 1st and 2d annual reports of the state superintendent, Mar. 7-Dec. 1, 1891; Dec. 1, 1891-Dec. 1, 1892. 8°. Bismarck, 1892.

Nyman, Carl F. Conspectus flore Europeæ. Supplementum 2. pp. 404. 8°. Örebro Sueciæ, 1889-90.

Ontario—Agricultural college and experimental farm. 19th annual report, 1893. 8°. Toronto, 1894.

Ontario—Agricultural and experimental union. 15th annual report, 1893. 8°. Toronto, 1894.

Pammel, L. H. Sclerotinia libertiana, Fuckel; with a bibliography of fungous root diseases. pp. [42]. 8° [St. Louis], 1893.

Transactions of the Academy of science of St. Louis, v. 6, pp. 191-232.

Peckham, George W. and E. G. Ant-like spiders of the family Attidæ. pp.83. 8°. Milwaukee, 1892. (Wis-CONSIN NATURAL HISTORY SOCIETY. Occasional papers, v. 2, no. 1.)

Peckham, George W. and E. G. Observations on the special senses of wasps. pp. [42]. 8°. [Madison, 1887.]

Proceedings of the natural history society of Wisconsin, Apr. 1887, pp. 91-132.

Peoria, Ill.—Trade, Board of. 24th annual report, 1893. 8°. Peoria, 1894.

Pfeffer, W. Pflanzenphysiologie; ein handbuch des stoffwechsels und kraftwechsels in der pflanze. 2 v. 8°. Leipz. 1881.

Philadelphia times. The Times almanac, 1894. pp. 50. 12°. Phila. 1894.

Philippi, R. A. Plantas nuevas Chilenas. v. p. 8°. Santiago de Chile, 1894.

Anales de la Universidad de Chile, tomos 84, 85, Mayo de 1893, a Enero de 1894.

Pichard, P. Influences comparées du sulfate de fer et du sulfate de chaux sur la conservation de l'azote dans les terres nues, et sur la nitrification. pp. 16. 8°. [Paris, 1893.]

Extrait des Annales de chimie et de physique, 6° sér. t. 25.

Pichard, P. Influences dans les terres nues des proportions d'argile et d'azote organique sur la fixation d'azote atmosphérique sur la conservation de l'azote et sur la nitrification. pp. [12]. 8°. [Paris, 1892.]

Annales agronomique, t. 18.

Pichard, P. Influences dans les terres nues du plâtre et de l'argile sur la conservation de l'azote sur la fixation de l'azote atmosphérique et sur la nitrification. pp. [17]. 8°. [Paris, 1889.]

Annales agronomiques, t. 15.

Pichard, P. Nitrification comparée de l'humus et de la matière organique non altérée et influence de la proportion d'azote de l'humus sur la nitrification. pp. [15]. 8°. [Paris, 1892.]

Annales agronomiques, t. 18.

Pichard, P. Rôle et avenir du plâtre en agriculture. pp. 21. 8°. Paris, 1893.

Extrait de la Revue scientifique.

Pinchot, Gifford. Biltmore forest, the property of G. W. Vanderbilt; an account of its treatment, and the results of the first year's work. pp. 49. ob. 24°. Chicago, 1893.

Plymouth, Mass.—Park commissioners. Report for the year 1893. 8°. Plymouth, 1894.

Portugal—Commission centrale de l'exposition de vins portugais à Berlin. Catalogue spécial de l'exposition de vins portugais à Berlin. pp. 157. 8°. Lisbonne, 1888.

Post, Julius, editor. Chemisch-technische analyse. Ed. 2. 2 v. 8°. Braunschweig, 1888-91.

Potter, Burton W. The road and the roadside. Ed. 3, rev. & enl. pp. 250. 12°. Boston, 1893.

Providence—Public library. 16th annual report, for the year 1893. 8°. Providence, 1894.

Public ledger, *Phila*. Public ledger almanac, 1894. pp. 77. 12°. Phila. 1894.

Quercy, P. Cours d'enseignement pratique d'agriculture et de zootechnie. pt. 1. Agriculture. pp. 56. 8°. Oran, 1890.

Quercy, P. Cultures arbustives. pp. 31. 8°. Oran, 1889.

Quercy, P. Les ennemis de la vigne. pp. 32.  $8^{\circ}$ . Oran, 1888.

Quercy, P. Institutions auxiliaires de l'agriculture. pp. 23. 8°. Oran, [18—].

Extrait de l'Ouest agricole.

Quercy, P. Instructions pratiques sur l'éducation du ver à soie. pp. 16. 8°. Orau, 1891.

Quercy, P. Mémoire sur l'agriculture du département d'Oran. pp. 47. 8°. Oran, 1893.

Quercy, P. Laviticulture pratique. pp. 58. 8°. Oran, 1891.

Ramann, E. Forstliche bodenkunde und standortslehre. pp. 479. 8°. Berl. 1893.

Retzius, Andreas J. Floræ Scandinaviæ prodromus; enumerans plantas Sveciæ, Lapponiæ, Finlandiæ, Pomeraniæ, Daniæ, Norvegiæ, Holsatiæ, Islandiæ & Groenlandiæ. pp. 257. 8°. Holmiæ, 1779.

Retzius, Andreas J. Observationes botanicæ, sex fasciculis comprehensæ. 3 v. f.º, Lipsiæ, 1779-1791.

Richter, Karl. Plantæ Europeæ; enumeratio systematica et synonymica plantarum phanerogamicarum in Europa sponte crescentium vel mere inquilinarum. v. 1. 8°. Leipz. 1890.

Rigaux, E. Étude sur la fabrication rationnelle du beurre. pp. 32. 8°. Cambrai, [189-].

Rittershausen, Paul. Anatomisch-systematische untersuchung von blatt und axe der Acalypheen. Inaugural-dissertation. pp. 123. 8°. München, 1892.

Robertson, J. Barr. Indian currency. pp. 23. 8°. Lond. 1894.

Reprinted from the Journal of the society of arts, Mar. 23, 1894.

Rodrigues, J. Barbosa. O tamakoaré, especies novas da ordem das Ternstroemiaceas. pp. 28. 4°. Manáos 1887.

Röhling, Johann C. Deutschlands flora. Nach einem veränderten und erweiterten plane bearbeitet von F. C. Mertens und W. D. J. Koch. Ed. 3. 5 v. in 6. 8°. Frankfurt am Main, 1823-39.

Royal society of London, compiler. Catalogue of scientific papers, 1874-83. v. 10. 4°. Lond. 1894.

Russian coprolites, and the production of ground phosphate on the Kornilov estate . . . situated in the Kineschemsk district of the government of Kostroma. pp. 23. 12°. St. Petersb. 1893.

Salem, Mass.—Public library. 5th report of the trustees, 1893. pp. 20. 8°. Salem, 1894.

Sargent, Charles S. Silva of North America; a description of the trees which grow naturally in North America exclusive of Mexico. v. 6. Ebenacæ-Polygonacæ. f°. Boston, 1894.

Saussure, Henri de. Additamenta ad Prodromum Œdipodiorum. pp. 180. 4°. Genève, 1888.

Mémoires de la Société de physique et d'histoire naturelle de Genève. t. 30. no. 1.

Sawer, J. C. Odorographia; a natural history of raw materials and drugs used in the perfume industry, including the aromatics used in flavouring. ser. 2 [v. 2]. pp. 523. 8°. Lond. 1894.

Schiødte, J. C. De metamorphosi Eleutheratorum observationes; bidrag til insekternes udviklingshistorie. pt. 11. Lagriæ, Pyrochra, Œdemeræ, Melandryæ, Mordellæ. pp. [86]. 8°. Kjøbenhavn, 1880.

Særtryk af Naturh. tidsskr. Bb. 12, pp. 513-598.

Schlæsing, Th. Applications de chimie organique. Contribution à l'étude de la chimie agricole. pp. 263. 8°. Paris, 1888. (ENCYCLOPÉDIE chimique, t. 10.)

Schreber, Johann C. D. von. Spicilegium floræ Lipsicæ. pp. 148. 8°. Lipsiæ, 1771.

Schübeler, F. C. Die pflanzenwelt Norwegens; ein beitrag zur natur- und culturgeschichte Nord-Europas. pp. 468. 4°. Christiania, 1873-75.

Scientific American cyclopedia of receipts, notes and queries. Edited by A. A. Hopkins. pp. 708. 8°. N. Y. 1893.

Seguier, Jean F. Bibliotheca botanica. pp. 450+65. 4°. Lugduni Batavorum. 1760.

A reprint of the original work, with a new title-page.

Sempers, Frank W. Manures; how to make and how to use them. A . . . treatise on the chemistry of manures and manure-making. Ed. 2. pp. 218. 12°. Phila. 1893.

Sertorius, Adolf. Beiträge zur kenntnis der anatomie der Cornaceæ. pp. [78]. 8°. Genève, 1893. Tiré à part du Bulletin de l'Hertier Boissier, v. 1.

Settegast, Henry. Die landwirthschaftlichen sämereien un der samenbau. pp. 390. 8°. Leipz. 1892.

Shaler, Nathaniel S., editor. The United States of America; a study of the American commonwealth, its natural resources, people, industries, manufactures, commerce, and its work in literature, science, education, and self-government. 2 v. 4°. N.Y. 1894.

Sharpe, R. B. Catalogue of the Fulicariæ (Rallidæ and Heliornithidæ) and Alectorides (Aramidæ, Eurypygidæ, Mesitidæ, Rhinochetidæ, Gruidæ, Psophiidæ, and Otididæ) in the collection of the British museum. pp. 353. 8°. Lond. 1894. (BRITISH MUSEUM. Catalogue of birds, v. 23.)

Shaw, Henry. [His] will establishing the Missouri botanical garden; admitted to probate at St. Louis, Mo. Sept. 2, 1889. Also, act of General assembly of Missouri, approved Mar. 14, 1859, and deed of Henry Shaw to Washington university, Oct. 14, 1885. pp. 32. 8°. St. Louis, 1889.

Shaw, Thomas. Weeds, and how to eradicate them. pp. 176. 16°. Toronto, 1893.

Sheffield, O. H. Improvement of the road system of Georgia. pp. 31. 8°. Wash. 1894. (UNITED STATES—Agriculture, Department of—Road inquiry, Office of. Bullitin, 3.)

Sherborn, Charles D. Index to the genera and species of the Foraminifera. pt. 1. A-Non. pp. 240. 8°. Wash. 1893. (SMITHSONIAN INSTITUTION. Miscellaneous collections, 856.)

Siedel, Johannes. Wahrnehmungen auf milchwirthschaftlichem gebiete in den Vereinigten Staaten von Nord-Amerikau. Kanada. pp. 207. 8°. Darmstadt, 1894.

Smith, Jared G. North American species of Sagittaria and Lophotocarpus. pp. 38. 8°. [St. Louis], 1894.

Printed in advance from the 6th annual report of the Missouri botanical garden.

Solereder, Hans. Beiträge zur kenntnis neuer drogen; über eine aus den samen von Swietenia humilis Zucc bestehende droge aus Mexico. pp. 10. 8°. Berl. 1891 Besonderer abruck a. d. Archiv d. pharm. bd. 29, heft 4.

Solereder, Hans. Ein beitrag zur anatomischen cha rakteristik und zur systematik der Rubiaceen. pp. 518°. Genève, 1893.

Extrait du Bulletin de l'Herbier Boissier, tome 1, pp. 167-326.

Solereder, Hans. Loganiaceæ Africanæ. pp. [5]. 8°, Leipz. 1893.

Separat-abdruck aus Engler's botanischen jahrbüchern, bd. 17, heft 5, pp. 554-558.

Solereder, Hans. Über den systematischen wert der holzstructur bei den dicotyledonen. pp. 264. 8°. München, 1885.

Solereder, Hans. Über die Staphyleaceen-gattung Tapiscia Oliv. pp. [7]. 8°. Berl. [1892].

Sonderabdruck aus den Berichten der Deutschen botanischen gesellschaft, jahrg. 1892, bd. 10, heft 8.

Solereder, Hans. Über die versetzung der gattung Melanthus Walp. von den Phrymaceen zu den Solanaceen. pp. [21]. 8°. Berl. [1891].

Sonderabdruck aus den Berichten der Deutschen botanischen gesellschaft. Generalversammlungs-heft, jahrg. 1891, bd. 9.

Solereder, Hans. Über die verwandtschaftsverhältnisse der Acanthaceen-gattung Somalia Oliv. pp. 7. 8°. Cassel, 1892.

Botanisches centralblatt, nr. 21, 1892. Separatabdruck.

South Australia — Woods and forests department. Annual progress report upon state forest administration for the year 1892-93. 4°. Adelaide, 1893.

South Carolina — Clemson agricultural college. 4th annual report of the board of trustees, 1893. 8°. Columbia, 1893.

Southern Pacific railroad company. Southwest Louisiana. pp. 79. 8°. [Chicago, 1894.]

Storer, F. H. Agriculture in some of its relations with chemistry. Ed. 4. 2 v. 8°. N. Y. 1892.

Sydsvenska föreningens för odling och förädling af utsäde. Årsberättelse för 1886. pp. 59. 8°. Malmö 1887.

Tacke, Br. Über kolonisation im hochmoor. pp. 15. 8°. Berl. 1894.

Sonderabdruck aus den Mittheilungen des Vereins zur förderung der moorkultur im Deutschen reiche. Taft, L. R. Greenhouse construction; a... manual on the building, heating, ventilating and arrangement of greenhouses and the construction of hotbeds, frames, and plant pits. pp. 210. 12°. N. Y. 1894.

Taunton, Mass.—Public library. 28th annual report of the trustees, 1893. 8°. Taunton, 1894.

Texas—Agriculture, insurance, statistics, and history, Department of—Agricultural bureau. 4th annual report, 1890-91. 8°. Austin, 1892.

Tonduz, Adolfo. Informe sobre la enfermedad del cafeto. pp. 28. 12°. San José de Costa Rica, 1893. (Instituto físico-geográfico-nacional—Servicio botanico. [Publications.])

Torrey, John. Flora of the northern and middle sections of the United States; or, A systematic arrangement and description of all the plants hitherto discovered in the United States north of Virginia. v. 1. 8°. N. Y. 1824.

Trelease, William. A few common apple fungi. pp. [4]. 8°. [St. Paul, 1886.]

From Minnesota horticultural report, v. 14, pp. 52-55. 1886.

Trelease, William. Further studies of yuccas and their pollination. pp. [46]. 8°. St. Louis, 1893.

From the 4th annual report of the Missouri botanical garden.

Trelease, William. Leitneria Floridana. pp. 26. 8°. [St. Louis], 1894.

Printed in advance from the 6th annual report of the Missouri botanical garden.

Trelease, William. Observations on several zoogloeæ and related forms. pp. [24]. 8°. [Baltimore, 188-] Reprinted from the Studies from the Biological laboratory of the

Reprinted from the Studies from the Biological incoratory of the Johns Hopkins university, v. 3, no. 4.

Trelease, William. Preliminary list of the parasitic fungi of Wisconsin. pp. 40. 8°. Madison, 1884.

From the Transactions of the Wisconsin academy of sciences, arts and letters, v. 6, 1881-84.

Trelease, William. Revision of the North American species of Gayophytum and Boisdavalia. pp. 16. 8°. [St. Lonis], 1894.

Reprinted in advance from the 5th annual report of the Missouri botanical garden.

Trelease, William. Species of Epilobium occurring north of Mexico. pp. [49]. 8°. [St. Louis], 1891.

From the 2d annual report of the Missouri botanical garden.

Trelease, William. Sugar maples; with a winter synopsis of all the North American maples. pp. 19. 8°. [St. Louis], 1894.

Reprinted in advance from the 5th annual report of the Missouri botanical garden.

Tufts college. Tufts college studies. no. 1. 8°. Tufts college, Mass. 1894.

Contents:—The anterior cranial nerves of Pipa; by G. A. Arnold.— Ectodermis origin of the cartilages of the head; by J. B. Platt.—The classification of the Arthropoda; by J. S. Kingsley

Underwood, Lucien M. Our native ferns and their allies; with synoptical descriptions of the American pteridophyta north of Mexico. Ed. 4, rev. pp. 156. 12°. N. Y. 1893.

Urbain,—and Meunier, Stanilas. Métalloïdes. Charbon de bois.—Noir de fumée.—Combustibles minéraux. pp. 509. 8°. Paris, 1885. (ENCYCLOPÉDIE chimique, v. 2.)

Urban, Ignaz. Biographische skizzen. 2. pp. 21. 8°. Leipz. 1894.

Contents:—Georg Heinrich v. Langsdorf (1774-1852).—Ludwig Riedel (1790-1861).

Sonderabdruck aus Engler's botanischen jahrbüchern, bd. 17, heft 3.

Urban, Ignaz. Krugia, eine neue Myrtaceengattung. pp. [2]. 8°. Berl. 1893.

Sonderabdruck aus den Berichten der Deutschen botanischen gesellschaft, bd. 11, heft 6, pp. 375-376.

Van Dyke, T. S. Irrigation in southern California. folder. 8°. [N. Y. 1894.]

Reprinted from the Independent.

Vassillière, F. Les dunes girondines. pp. 47. 8°. Bordeaux, 1889.

Vassillière, F. Les landes girondines. pp. 290. 8°. Bordeaux, 1892.

Vassillière, F. Rapport sur les essais de sulfureurs à traction animale, et quelques particularités du sulfure de carbone pur et mélangé à certains carbures d'hydrogène. pp. 38. 8°. Bordeaux, 1886.

Vermont state grange. Journal of proceedings of the 22d annual session, held at West Randolph, Vt. Dec. 12-14, 1893. 8°. Montpelier, 1894.

Virginia—Agriculture, State board of. [6th annual] report, 1893. 8°. Richmond, 1893.

Voelcker, John A. Report on the improvement of Indian agriculture. pp. 460. 8°. Lond. [1893].

Vogel, J. H. Die wirkung der gasförmigen zersetzungs-produkte faulender organischer substanzen auf die phosphorsäure und ihre kalksalze. pp. 66. 8°. Berl. 1893.

Wahlenberg. Georg. Flora Lapponica; exhibens plantas geographice et botanice consideratas, in Lapponiis suecicis ... nec non Lapponiis norvegicis ... utraque indigenas, et itineribus annorum 1800, 1802, 1807 et 1810 denuo investigatas. pp. 550. 8°. Berolini, 1812.

Wahlenberg, Georg. Flora Svecica; enumerans plantas Sveciæ indigenas...post Linnæum edita. 2 pt. in 2 v. 8°. Upsaliæ, 1824-26.

Wallace, Henry. Clover culture. pp. 156. 8°. Des Moines, 1892.

Walsh, Joseph M. Coffee; its history, classification and description. pp. 309. 12°. Phila. 1894.

Washington university, St. Louis—Henry Shaw school of botany. Inaugural exercises in Memorial hall, St. Louis museum of fine arts, Nov. 6, 1885. pp. 24. 8°. St. Louis, 1885.

Watson, J. D. Liberian coffee cultivation in Tavoy. pp. 5. fo. n. p. 1893.

Report made to the Director of the Department of land records and agriculture, Burma.

Weber, Friedrich. Historiæ Muscorum hepaticorum prodromus. pp. 160. 8°. Kiliæ, 1815.

Webster, Angus D. Practical forestry; a... handbook on the rearing and growth of trees for profit or ornament. pp. 118. 12°. Lond. [18—]. (RIDER'S Technical handbook, 3.)

Weed, Clarence M. Fungi and fungicides; a practical manual concerning the fungous diseases of cultivated plants and the means of preventing their ravages. pp. 228. 12°. N. Y. 1894.

Weed, Clarence M. Spraying crops, why, when, and how. Ed. 2, rev. pp. 130. 16°. N. Y. 1894.

Wery, G. L'enseignement agricole officiel en France. pp. 23. 8°. Paris, 1892.

Extrait du journal Le génie civil.

Weyl, Theodore. Coal-tar colors, with especial reference to their injurious qualities and the restriction of their use; a sanitary and medico-legal investigation. Translated by Henry Leffmann. pp. 154. 12°. Phila. 1892.

Whitehead, Charles. Methods of preventing and checking the attacks of insects and fungi. pp. 40. 8°. Lond. 1891.

Whitfield, R. P. Republication of descriptions of Lower carboniferous crinoidea from the Hall collection now in the American museum of natural history, with illustrations of the original type specimens not heretofore figured. pp. 37. 4°. [N. Y.] 1893. (AMERICAN MUSEUM OF NATURAL HISTORY. Memoirs. v. 1, pt. 1.)

Whitfield, R. P. Visitors' guide to the geological and palæontological collections in the American museum of natural history, New York City. pp. 66. 8°. N. Y. 1892.

Wiedersheim, Robert. Elements of the comparative anatomy of vertebrates. From the German, with additions, by W. N. Parker. pp. 345. 8°. Lond. 1886.

Wiley, Harvey W. Waste and conservation of plant food. pp. 31. 8°. Wash. 1894.

Reprinted from the Journal of the American chemical society, v. 16, no. 1

Winchell, N. H. and H. V. Iron ores of Minnesota, their geology, discovery, development, qualities and origin, and comparison with those of other iron districts. pp. 430. 8°. Minneapolis, 1891. (Minnesota—Geological and natural history survey. Bulletin, 6.)

Wohltmann, F. Landwirthschaftliche reisestudien über Chicago und Nord-Amerika. pp. 440. 8°. Breslan, 1894.

Wright, C. H. and Dewar, D. Johnson's Gardener's dictionary. New ed. rev. & enl. pp. 1072. 8°. Lond. 1894.

Yale university—President. Report for the year ending Dec. 31, 1893. 8° [New Haven], 1894.

Zacharewicz, Ed. La culture de la truffe. pp. 15. 16°. Avignon, 1892.

Zacharewicz, Ed. La culture du blé et les engrais chimiques. pp. 8. 8°. Montpellier, 1889.

Extrait du Progrès agricole et viticole.

Zacharewicz, Ed. Culture rationnelle de la betterave à sucre. pp. 15. 12°. Avignon, 1890.

Zacharewicz, Ed. Deuxième année d'expériences sur les engrais appliqués à la culture de la vigne. pp. 28. 12°. Avignon, 1892.

Zacharewicz, Ed. Expérience sur les engrais appliqués à la culture de la vigne. pp. 53. 12°. Avignon, 1891.

Zacharewicz, Ed. Maladies cryptogamiques de la vigne. La culture maraichère et les engrais chimiques. pp. 16. 8°. Avignon, 1888.

Extrait du Bulletin de la Société d'agriculture de Vaucluse, août et sept. 1888.

Zacharewicz, Ed. Maladies cryptogamiques de la vigne. Moyens de les combattre. pp. 30. 12°. Avignon, 1889.

Zacharewicz, Ed. Sur la reconstitution du vignoble Vauclusien par les cépages américains. pp. 71. 12°. Avignon, 1889.

Zacharewicz, Ed. Le ver à soie du murier, son élevage. pp. 19. 16°. Avignon, 1892

